

DECISION NO 1.126 FOR IMPROVING WORK OF PROJECTS AND TECHNICAL-  
SCIENTIFIC RESEARCH WITHIN THE MINISTRIES.

[Buletinul Oficial al Republicii Populare Romane,  
24 October 1950]

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Decision No. 1116 for Improving Work of Projects and Technical-  
Scientific Research within the Ministries.

In order to <sup>raise</sup> ~~XXXXXX~~ labor productivity and to improve the quality of the projects, the interested ministries will consider the following organizational forms: 1) general organizations of projects, for over-all plans of new factories and remodeling the present factories; and, 2) specialized organizations of projects (Organizatii specializate de proiectari), for projects of a common nature, such as bridges, machinery, dwellings, and public buildings with the necessary equipment. The organizations of projects will be organized, dependent upon the nature and volume of the projects and the training and number of the cadre, as Institutes (Institute), Directorates (Directii), or Services (Servicii) of projects.

The general organizations will request specific information from the specialized organizations in the case of new constructions or remodeling.

The Ministries will also stress the use of the bureaus of projects within the enterprises, especially in the enterprises for the building of machine tools. These bureaus are capable of planning a single project because they have detailed knowledge on one subject.

The organizations of projects are organs depending directly upon the respective tutelary Ministry, which directs, plans, and controls their entire activity. When the activity of one organization of projects coincides with a particular industrial branch, the organization will be under the direction and control of the respective industrial directorate, if it is believed that the organization would be more efficient in this way.

The organizations of projects (institutes, directorates, and services) will be financed on the principle of planned economy, the same as the enterprises.

The interested ministries will examine the projects for the purpose of effecting the greatest possible economies of materials and labor. The State Commission of Standardization (Comisiunea de Stat a Standardizarii) and the Ministries will work to standardize the parts used in

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buildings and installations. All categories of constructions will follow typical projects. The State Commission of Standardization will submit, with the advice on the State Planning Commission (Comisia de Stat a Planificarii), by 1 January 1951 proposals to the Council of Ministers, proposals to delegate the Ministers the duties of elaborating the typical projects and of approving the proposal. The tutelary ministries of the organizations of projects will create complex teams, based on the Soviet models, of specialists on the various problems connected with the projects. The tutelary ministries will see to it that advanced Soviet methods and Soviet literature will be available to the organizations of projects.

The proper collaboration between the organizations of projects and the beneficiaries of the projects will be assured by: 1) all Ministries will report all contracts and obligations, and the Minister of Constructions (Ministerul Constructiilor) with the Minister of Metallurgy and Chemical Industry (Ministerul Metalurgiei si Industrii Chimice) will present proposals to the Council of Ministers by 1 December 1950; 2) the Committee of Prices (Comitetul Preturilor) of the Council of Ministers will propose the tariffs, after consulting the interested Ministries, for the Council to approve; and, 3) the State Commission <sup>Planning</sup> ~~XXXXXXXXXX~~ will present its proposals to the Council of Ministers by 1 December 1950 in order that all Ministries may work uniformly.

In order that the organizations of projects may have sufficient qualified personnel and that those may be properly paid, the interested Ministries will take the following measures: 1) concentration of training in one training school; 2) increasing the number of qualifying schools; 3) to enroll more youths in the organizations of projects and to permit them to be trained a longer time; and, 4) establish a single system of awards based on the time required, ~~and~~ the technical solution, and the economy of a problem so as to increase the labor productivity and to improve the quality of the projects.

The State Planning Commission, the Minister of Finance, and the

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General Confederation of Labor (Confederatia Generala a Muncii) will propose to the Council of Ministers by 1 December 1950 a regulation for the awards to the organizations of projects and their members.

All Ministries will see that the preliminary projects will be ready and approved before the beginning of the planned year in which the work is to start.

The Ministries will set up their own organizations of projects, which will draw up the preliminary projects of new work or remodeling. Tutelary organization will also be created so that the work of the ministry and of other ministries which are connected with the work may be properly planned. The following existing organizations of projects will be expanded and developed:

Ministry of Metallurgy and Chemical Industry (Ministerul Metalurgiei si Industriilor Chimice) has under its jurisdiction the Institute of Metallurgical Projects (Institutul de Proiectari Metalurgice) abbreviated to IPROMET; the Institute of Projects for Machinery (Institutul de Proiectari de Masini) abbreviated to IPROM; and the Institute of Chemical Projects (Institutul de Proiectari Chimice) abbreviated to I.ROCHIM.

Ministry of Electric Power (Ministerul Energiei Electrice) has the Institute of Studies and Power Projects (Institutul de Studii si Proiectari Energetice) abbreviated to ISEP for thermal and hydroelectric plants, and the Directorate of Electrotechnical Projects (Directia de proiectari Electrotehnice) for new plants and equipment

Ministry Forestry, Lumber and Paper Industry (Ministerul Silviculturii, Industriilor Lemnului si Hartiei) has the Institute of Forestry Projects (Institutul de Proiectari Forestiere) abbreviated to I.P.F. for steam regulation in forest regions, transport of lumber, paper and cellulose mills, and wood chemistry.

Ministry of Constructions (Ministerul Constructiilor) has the Institute of Construction Projects (Institutul de Proiectarea Constructiilor) abbreviated to I. P. C. for civil and industrial construction; Institute of Special Construction Projects (Institutul de Proiectari de Constructii Speciale) abbreviated to I.P.C.S. for bridges and roads; the

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Institute of Projects of Sovromconstrucție (Institutul de Proiectari al Sovromconstrucție) abbreviated to I.P.S.R. for civil and industrial buildings and special constructions.

Ministry of Communications (Ministerul Comunicatiilor) has the Institute of Projects of the Rumanian Railroads (Institutul de Proiectarii C.F.R.) for bridges, new lines, and rolling stock; and the Service of Hydro-technical Projects for Navigation (Serviciul de Proiectari Hidrotehnice pentru Navigatie) for harbors, channels, canals, and the mouth of the Danube.

The following new organizations of projects will be formed:

Under the Ministry of Metallurgy and Chemical Industry, the Institute of Projects of Naval Construction (Institutul de Proiectari de Constructii Navale) which will execute projects of river and ocean vessels and drydocks. This Institute will be created during 1950.

Under the Ministry of Mines and Petroleum (Ministerul Minelor si Petrolului), the Institute of Projects for Oil, Gases, and Coal (Institutul de Proiectari pentru Petrol, Gaz si Carbuni) will execute plans for exploitation and for new installations. This Institute will be created during 1950.

Under the Ministry of Light Industry (Ministerul Industriei Uscare), a Directorate of Projects (Directia de Proiectari) for all the sections of the Ministry and draw up projects for new factories and remodeling and for installations for textiles, rubber, leather, glass, and consumer goods. This Directorate will be created during 1950.

Under the Ministry of Communications, the Directorate of Projects for Telecommunications (Directia de Proiectari pentru Telecomunicatii) with experimental laboratories where telephone, telegraph, and radio equipment will be planned and the general plans for such installations drawn up. The Directorate will be created during 1950.

Under the Ministry of Agriculture (Ministerul Agriculturii), the Institute of Projects for Improving Fields and Agricultural Constructions (Institutul de Proiectari pentru Imbunatatiri Funciare si Constructii Agricole). This Institute will be created during 1950.

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Under the Ministry of Health (Ministerul Sanatatii), the technical service for elaborating projects of hospitals, mobile units, and clinics. This Service will be created during 1950.

Under the Ministry of Home Trade, Department of Communal Holdings and Local Industry, (Ministerul Afacerilor Interne, Departamentul Gospodariei Comunale si Industrii Locale), the Institute of Projects of Public Works and City Planning (Institutul de Proiectari de Constructii Edilitare si de Urbanism). This Institute will be created during 1950.

The Institutes of Research of the Ministries (Institutele de Cercetari ale Ministerelor) will specialize in practical problems. These Institutes will conduct research which is too broad to be done in the laboratories of the enterprises. They will make recommendations to improve the quality and quantity of the products, to introduce better methods of production, and to questions arising between consumers and producers. These Institutes are budgetary institutions which are paid from the fees charged by the respective ministries for research on problems submitted by the enterprises. The Institutes of Research <sup>of the Ministries</sup> are dependent on the respective tutelary ministry, which will direct, plan, and control the activity. The Institutes of Research of the Ministries will be furnished with pilot plants. Experimental plants will also be built if the General Directorate of the Ministry (Directia Generala din Minister) believes that these are necessary. These experimental plants are also to be helped by the Institutes of Research of the Ministries.

There will also be laboratories in the enterprises for controlling the quality of production. These laboratories will make recommendations and test innovations which are submitted.

Central Laboratories (Laboratoare Centrale) will be created for the use of enterprises which do not have sufficient work of an experimental nature to justify a laboratory of their own. The Central Laboratory is financed on the principle of planned economy and work on the basis of orders from the respective enterprises. This Laboratory is subordinate

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to the Ministry or the respective Central Industrial Directorate (Direcției Centrale Industriale). In some cases, the function of the central laboratory will be fulfilled by a well equipped laboratory of a large enterprise, which then becomes a section organized on the principle of planned economy and will function on the basis of orders.

In order to improve the work of the organizations for technical and scientific research, the Ministries must take the following steps:

- 1) improve the plans for research by the Departmental Institutes (Institutelor Departamentale) so that each Institute may have an annual plan which has been approved by the Ministries; 2) these plans will include research to be done on the important problems of the sections; 3) the work plans of the Institutes will be examined by the Technical and Scientific Council of the respective Ministry (Consiliul Tehnico-Stiintific al Ministerului respectiv) and subject of the approval of the Ministry; ~~XXXX~~ 4) the Institutes or Departments of Research (Departamentele de Cercetari) will submit three documents showing the work program with the executing body, the methods of research and the results, and the cost; 5) general and unitary records of the research work, which will be reported periodically by the Institutes; and, 6) control of the technical and scientific research in order to fulfill the requirements of the work plan.

The Ministries will take steps to see that the results of research are properly used. The Institutes of Research of the Ministries will make periodic reports to the Ministries on the status of the work and the methods being employed. The Institutes of Research of the Ministries will report to the Scientific and Technical Council of the Ministry the concrete results and proposals to put these results into practice. The Ministries will approve the results of the research and will proceed with the application of these results upon the recommendation of the Council of the Ministry. The various Institutes of Technical and Scientific Research will exchange experiences among themselves and with the enterprises.

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The results of the technical and scientific researches will be published in special magazines and also in popular magazines. The concrete results which cannot be utilized for various reasons will still be put on file.

The Ministries will see that the laboratories of the enterprises are enlarged and supplied with proper equipment. Laboratories will be established wherever they are needed. The Ministries will reexamine the equipment of the Institutes of Technical and Scientific Research and will supply the needed items. The data furnished by these Institutes in the past and other technical information will be fully used. Soviet literature will be procured and the information which relates to the subjects under research will be widely distributed by the Ministries.

The Ministries will organize the collaboration of the organizations of technical and scientific research with the enterprises, the Institutes of Higher Learning (Institutelor de Invatamant Superior), and the Institutes of the Academy of the Rumanian People's Republic (Institutelor Academice R.P.R.). The Institutes of Research of the Ministries will coordinate the research activities and the production work of the enterprises. When research is being done within the enterprise, delegates of the Institute will work in the enterprise in close conjunction with the workers. Conferences of researchers and workers will be organized. The laboratories of the enterprises may request the help of the Institutes of Research of the Ministries on problems which are beyond the possibilities of the laboratories. The Institutes of Research of the Ministries will work in close contact with the Institutes of Scientific Research of the Rumanian Academy (Institutelor de Cercetari Stiintifice ale Academiei R.P.R.) and with the Institutes of Higher Learning in order to test the new scientific discoveries. The Institutes of Scientific Research of the Rumanian Academy can send problems to the Institutes of Research of the Ministries (Institutelor Departamentale de Cercetari ale Ministerelor) which are relevant to the Ministries and may sign contracts with the permission of the tutelary Ministry. With the approval of the President of the Rumanian Academy, the Institutes of the Academy

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may handle scientific problems sent by the Institutes of Research of the Ministries.

The Council of Ministers emphasizes the importance of a sufficient number of qualified personnel if the organizations of technical and scientific research are to fulfill their duties. The researchers will be used in only one organization or in research and teaching, except the scientific consultants of the Rumanian Academy. The Institutes of Higher Learning will look for students to be trained as researchers. The tertiary <sup>Departmental</sup> ministries of the Institutes of Research will release promising youths for long periods so that these may be trained and will also release those who have been admitted to the Institutes of Technical and Scientific Research. The Ministries will permit the transfer from enterprises and institutes to the Departmental Institutes of Research of persons who have the proper training and the attitude for research.

The State Planning Commission, the Minister of Finance, and the General Confederation of Labor will present proposals for equitable pay and awards for the research cadres to the Council of Ministers by 1 December 1960.

The following Institutes of Research of the Ministries will be enlarged and developed:

Ministry of Metallurgy and Chemical Industry. The Institute of Chemical Research (Institutul de Cercetari Chimice), abbreviated to ICECHIM, will develop technical processes for new products and for improving the present processes and products.

Ministry of Mines and Petroleum. ~~XXXXXXXXXXXX~~ The Institute of Research for Oil, Gases, and Coal (Institutul de Cercetari pentru Petrol, Gaze si Carbuni) will execute studies and research for improving the use and value of oil, gases, and coal.

Ministry of Electric Power. The Institute of Electrotechnical Research (Institutul de Cercetari Electrotehnice) will execute research on electrical machinery and materials and will test prototypes of machinery and measuring apparatus.

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Ministry of Forestry, Lumber and Paper Industry. The Institute of Forest Research (Institutul de Cercetari Forestiere), abbreviated to ICERF, will study nurseries, shelter belts for forest protection, transport, exploitation, woodworking, and the chemistry of wood.

Ministry of Construction. Institute of Research and Tests (Institutul de Cercetari si Incecari), abbreviated to I.C.I., will deal with the mechanization of building, the proper organization of work sites, general economy and proper use of building materials.

Ministry of Communications. The Central Meteorological Institute (Institutul Meteorologic Central) will perform research and studies on meteorological problems, determination of altitudes, and applied meteorology.

Ministry of Agriculture. The Institute of Agronomic Research (Institutul de Cercetari Agronomice), abbreviated to ICAR, will perform studies and research on agricultural problems, such as improvement of plants, mechanization of agriculture, zoning of farming, and new variety of crops. The Institute of Zootechnical Research (Institutul de Cercetari Zootehnice), abbreviated to I.C.Z., will deal with all phases of animal husbandry. The Institute of Serums and Vaccines (Institutul de Seruri si Vaccinuri "Pasteur") will do research on serum and vaccine production.

Ministry of Health. The Institute of Pharmaceutical Research (Institutul de Cercetari Farmaceutice) will perform research on methods of preparing medicines by extraction and of some synthetic medicines, improving the quality of medicines, and the more extensive use of domestic medicinal herbs. The "Cantacuzino" Institute for Research on Serums and Vaccines (Institutul de Cercetari pentru Seruri si Vaccinuri "Cantacuzino") will perform technical and scientific research on the production of serums and vaccines.

The following new Departmental Research Institutes (Institute noi Departamentale de Cercetari) will be formed:

Ministry of Light Industry (Ministerul Industriei Usoare). The Institute for Research on Textiles, Leather, and Rubber (Institutul de

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Cercetari pentru Textile, Pielarie si Cauciuc) will perform research on domestic raw materials for textiles and leather, the proper use of threads including artificial threads, and the improvement in the quality of products. The Institute will be created in 1951. The Institute for Research on Glass and Fine Ceramics (Institutul de Cercetari pentru Sticla si Ceramica Fina) will perform research on the use of indigenous raw materials and on products. This Institute will be created during the first Five-Year Plan and the respective section of ICER will join this Institute.

Ministry of Communications. The Institute for Railroad Research (Institutul de Cercetari Feroviare) will study and test railroad material, will perform research on the problems of combustibles and combustion, efficiency of engines, and trestles. This Institute will be created in 1950.

State Commission of Standardization. The Metrological ~~XXXXXX~~ Center (Centrul Metrologic) will deal with the creation of prototypes of measuring and checking apparatus, the homologation of prototypes, verification of apparatus, and weights and measures.

In addition to the two foregoing classes of organizations, Mixed Institutes of Research and Projects (Institute Mixte de Cercetari si de Proiectari) will be created. These Institutes will have two distinct sectors; the research section which will be financed through the State budget, and the projects section which will function on the principle of planned economy. The Minister of Finance will propose the regulation for financing the <sup>Mixed</sup> Institutes of Research and Projects to the Council of Ministers by 1 December 1950. All provisions of the present decision which refer to the organizations of projects and the organizations of research are also valid for the projects section and the research section of the Mixed Institutes.

The following Mixed Institutes of Research and Projects, under the various Ministries, will be created:

Ministry of Metallurgy and Chemical Industry. The Institute of Research and Projects for Mining and Metallurgy (Institutul de Cercetari si Proiectari Miniere si Metalurgice), abbreviated to ICEROM, will ex-

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ecute projects for mining and for installations of extraction, preparation, and concentration, technical and scientific research in the mining, preparing and concentrating of ores, the extraction of metal from ferrous and nonferrous ores, special steels and nonferrous alloys, rolled products, and refractory materials.

Ministry of Construction. The Institute of Research and Projects for Construction Materials (Institutul de Cercetari si Proiectari pentru materiale de Constructie), abbreviated to ICMA, will perform research for improving the existing processes of making building materials, fabrication of new materials, greater use of indigenous raw material; projects will be draw up for building material factories, including the main factories and subordinate plants, the systematization of the existing factories, and the mechanization.

Ministry of Food Industry. The Institute of Research and Projects for Fishing (Institutul de Cercetari si Proiectari Piscicole) will execute studies and projects relating to pisciculture, hydrobiology, fishing regulations, and the mechanization of work in fishing. The Institute of Alimentary Research and Projects (Institutul de Cercetari si Proiectari Alimentare) will execute projects for new factories, for the systematization and mechanization of installations, and research on new food products and the improvement of their quality. This Institute will be created in 1950.

The Institute for Planning Complete Control of Water Courses (Institutul pentru Planurile de Amenajare integrala a Cursurilor de Apa), abbreviated to I.P.A.C.A., which is the technical organ of the Interministerial Commission for Hydrotechnical Problems (Comisia Interministeriale pentru problemele hidrotehnice), has been formed. ~~XXXXXXXXXXXXXXXXXXXX~~ The attributes of this Institute will be to stabilize water regulations and measure the stream flow by hydrographic stations or other organizations formed by this Institute; the use of hydrographic and meteorological stations, after consultation with the Central Meteorological Institute; the

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periodic publication of data on the flow of streams for use by the interested Ministries; elaboration of plans for stream control for use in power, irrigation, navigation, water supply, fishing, flooding and erosion; the over-all plan and the technical and economic justification of the works for a reservoir or a stream, giving the basic data for each individual operation which will be performed by the interested Ministries under the charges which will be given them by the Council of Ministers; to give technical advice for the proper use of water power on all projects connected with the control of a single stream and for isolated projects of local interest if these concern the use of rivers. ~~XXXXXXXXXXXXXXXXXXXX~~

The Institute will be given the economic and political problems of all the interested ministries and it will work in conjunction with those Ministries. The Interministerial Commission will establish the work plan of the Institute on hydrotechnical problems. Immediately after its creation, the Institute will consult all interested Ministries and draw up a list of new water regulations which will be sent to the Interdepartmental Commission (Comisiile Interdepartamentale) for presentation to the Council of Ministers for approval.

The Director of the Institute will function as secretary of the Interministerial Commission on hydrotechnical problems.

The central and regional sections which handle the water problems for the Directorate of Roads and Waters (Directia Drumuri si Apa), for the Advisory Directorate (Directia Avizariilor), and other Directorates of the Ministry of Constructions (alte Directii ale Ministerului Constructiilor) will be dissolved. The personnel of these sections will become part of the Institute for Planning Complete Control of Water Courses as far as there is room, the others will be assigned to organizations of projects of the other Ministries which have problems dealing with water. All equipment and documents of the dissolved sections will be turned over to the Institute.

The cadres of the Institute will be filled from specialists in the Ministries.

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The functions of the sectors of the Ministry of Constructions which are occupied with problems of water pass over either to the newly created Institute or to the various Ministries. The sections concerned with the plans for the complete control of water courses are attached to the Institute; the sections concerned with the improvement of land to the Ministry of Agriculture; those concerned with navigation and the regulation of streams to the Ministry of Communications; those concerned with the control of mountain streams to the Ministry of Forestry, Lumber and Paper Industry; those concerned with the storage of water for hydroelectric use to the Ministry of Electric Power; and those concerned with supplying water to localities and industrial centers to the Department of Local Administration (Departamentul Gospodariilor Locale) of the Ministry of the Interior (Ministerul Afacerilor Interne).

The organizations of projects will be in close contact with the Institutes of Research so as to use the findings and data on various problems and so as to adapt to the conditions in Rumania the solutions of technical problems, especially the solutions advanced by the Soviets. If the organizations of projects need <sup>permanent</sup> collaboration in drawing up a project, a contract will be made between the organization of projects and the Institutes of Research. Complex groups of members of the organization and of the Institutes will be formed to solve in common all problems connected with the project. The groups will be under the jurisdiction of the organization of projects.

Branch and interdepartmental conferences of members of the organization, research personnel from the Institutes of Research, and specialists and leaders of the enterprise, will be arranged so that an exchange of experiences may be effected.

Technical and Scientific Councils (Consilii tehnico-stiintifice) will be organized in the ~~XX~~ Ministries of Industries (Ministere Industriale) and the Ministry of Agriculture (Ministerul Agriculturii)

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The Technical and Scientific Councils will examine critically the preliminary and final projects of important works and will give their advice before they are approved by the tutelary ministry of the Department. These Councils will also offer advice on the work plan of the Departmental Institutes of Research and on the results of the research before they are submitted to the respective Ministry. The composition of the Technical and Scientific Councils will be established by a decree of the respective Ministry. These Councils will include employees of the Ministry, scientists, specialists, and innovators of the enterprises. Delegates from the Romanian Academy and other Institutions may be invited to attend the meetings of the Councils.

The Organizations of Projects and the Organizations of Research in the present decree will be provided with working funds necessary for their functioning, in conformity with the provisions for investments of the current year and of the Five-Year Plan when the latter has been approved. In order to provide a working fund for 1950; under the present decree the Ministry of Finance will open an extra-budgetary credit of 200 million lei which will be distributed by the State Planning Commission (Comisiunea de Stat a Planificarii).

The Ministry of Finance will establish and grant the necessary working funds for all Organizations of Projects provided for in the present decree.

The organization and function of the Organizations of Projects and Organizations of Research provided for in the present decree will be established by ministerial decrees, after a preliminary ~~XXXXXXXXXX~~ consultation of the Ministries with the State Planning Commission.

All dispositions of decrees and decisions which are contrary to the present decree are abrogated.

The Ministers, Presidents, and Directors of Central Institutes (directorii Institutilor Centrale), mentioned in the present decree, are charged with its fulfillment.

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